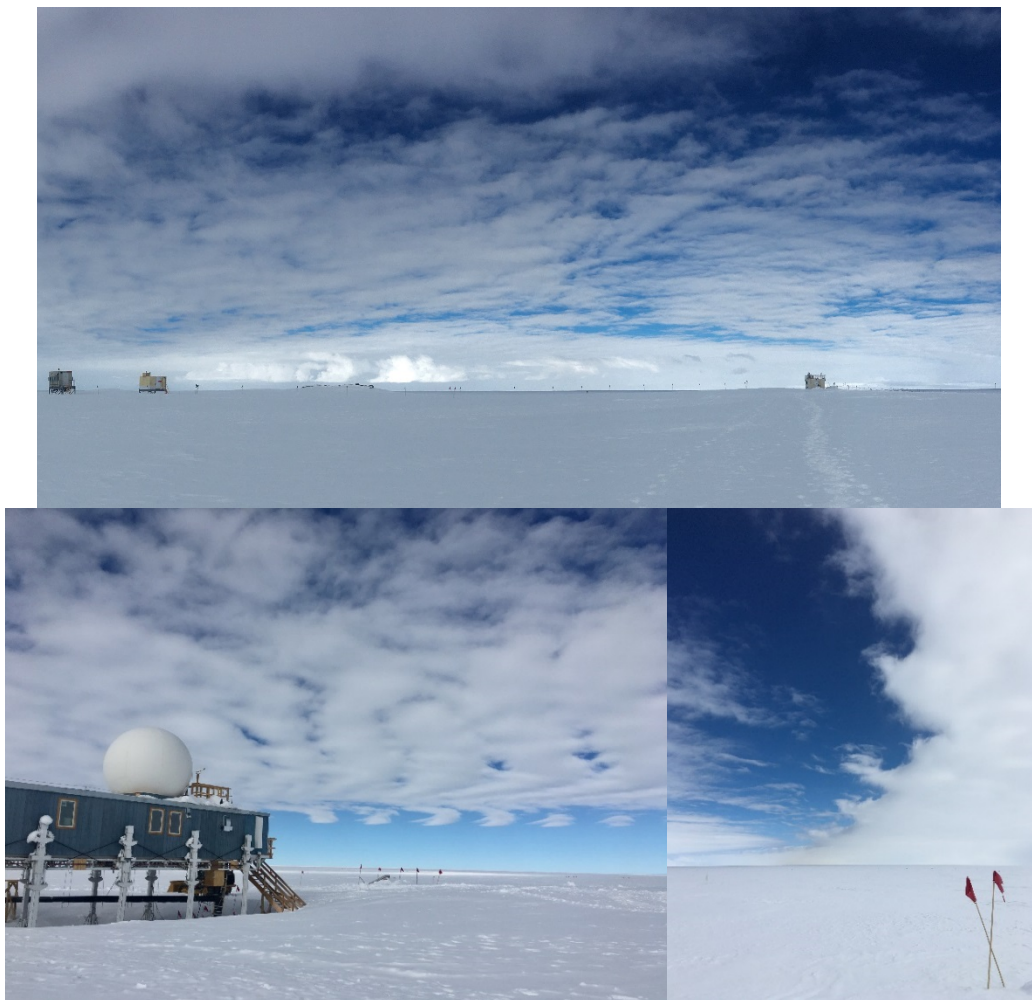


# ICECAPS-ACE Weekly Report

June 29 – July 5, 2020

Ian Geraghty



*Various low-level clouds seen throughout the week.*

## General Notes:

Summit experienced its warmest temperatures so far this summer, with it reaching  $-1.7\text{ }^{\circ}\text{C}$  on 2020-07-01. Tower work was postponed due to the possibility of an upcoming melt event.

## General Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp (C)	Notes
06-29	12	26kts at 136	BR DRSN	1600	BKN017 BKN064	-8	
06-30	12	10kts at 112		9999	BKN020	-6	
07-01	12	7kts at 358		9999	SCT015 BKN035	-3	
07-02	12	3kts at 027		9999	FEW015 BKN035	-3.5	
07-03	12	7kts at 193		9999	BKN000	-7	
07-04	12	4kts at 223		9999	BKN015	-11	
07-05	12	3kts at 213	-SN	9999	FEW015 BKN064 BKN114	-10	

### Significant Weather Observations:

- 2020-06-03 1000Z: Minor Kelvin-Helmholtz cloud seen at the boundary of a stratocumulus layer.

### MSF

- None

### ICECAPS-ACE Data Management:

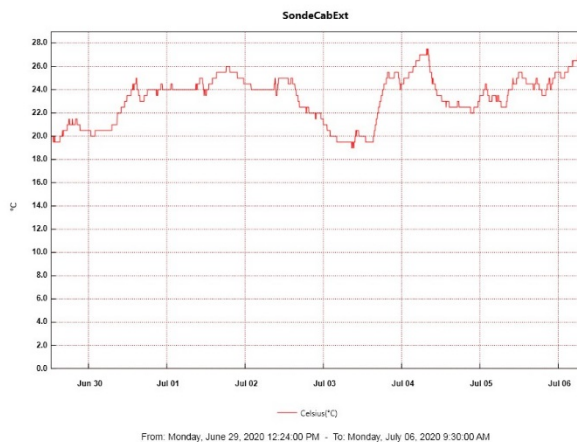
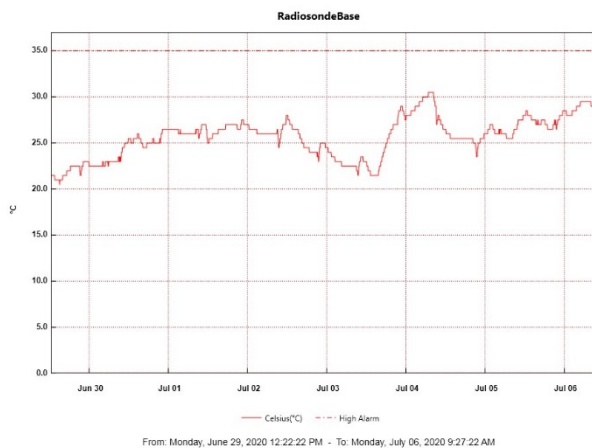
- 06-29: Data transfer completed at 1314Z.
  - Network outage between 0600 – 0630Z. Transfer picked up again once connection was restored.
- 06-30: Data transfer completed at 0450Z.
- 07-01: Data transfer completed at 0602Z.
- 07-02: Data transfer completed at 0510Z.
- 07-03: Data transfer completed at 0452Z.
- 07-04: Data transfer completed at 0454Z.
- 07-05: Data transfer completed at 0502Z.

### TSI:

- 2020-07-02: Software rebooted to reinitialize image processing.
- Operational.

### Radiosonde:

- No SPS connectivity issues occurred this week.
- See charts below for temperatures inside and outside the radiosonde cabinet over the last week.



### MWR:

- HATPRO offsite for repairs. 150-90 online and operating normally.

### SODAR:

- 2020-06-29 1200 – 1208Z: Cleaned SODAR dishes.
- 2020-07-02 1336 – 1343Z: Cleaned SODAR dishes.
- Operating normally.

### POSS:

- Offline. Troubleshooting with manufacturer ongoing.

**MASC:**

- 2020-07-02 1353Z: RunMASC restarted because of a few dropped images on camera 1.
- Operating normally.

**MMCR:**

- Operating normally. Monitoring transmitter power fluctuations.

**CAPABL:**

- Operating normally.

**MPL:**

- Operating normally. Monitoring laser energy fluctuations.

**CEILOMETER:**

- Operating normally.

**PAERI:**

- Operating normally.

**IceCAM:**

- Operating normally.

**IcePIC:**

- No IcePICs taken this week.

**CLASP:**

- Offline.

**CPC:**

- Offline.

**MSF - OPC:**

- Operating normally.

**TAWO - OPC:**

- Operating normally.

**SKYOPC:**

- Operating normally.

**INP Freezing Assay:**

- 2020-07-01: Weekly experiments completed.

**Fluxtower instrument suite:**

- Operating normally.

**Radiometers:**

- 2020-06-29: Completed weekly data download.
- Operating normally.